



BEST AVAILABLE COPY

*A. Hawker*  
*#5/B*  
*1.10.03*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

WASHIZU, Masao et al.

Serial No.: 09/670,399

Filed: September 27, 2000

RECEIVED  
JAN 07 2003  
TC 1700

Group Art Unit: 1743

Examiner: Jennine M. Brown

For: **METHOD FOR SEPARATING SUBSTANCES USING  
DIELECTROPHORETIC FORCES**

AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Date: January 6, 2003

Sir:

In response to the Office Action dated October 4, 2002, please amend the above-identified application as set forth below:

IN THE SPECIFICATION:

Amend the specification as follows:

(Page 3, line 9 to page 4, line 4): These separation methods are presently believed

to be the most suitable separation method in m-TAS from the following points: (1) a rapid separation can be expected at a low applied voltage without requiring a high voltage as in capillary electrophoresis, since an electric field and its gradient can be increased to an extreme extent if micromachined electrodes are employed, because the degree of dielectrophoretic forces depends on the size and dielectric properties of substances (particles) and is proportional to the electric field gradient; (2) an increase in temperature

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